Curriculum Vitae
Paula J. Reitan

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ACADEMIC DEGREES

8/92-1/99 University of Maryland Baltimore County
      Baltimore, Maryland
      Doctor of Philosophy, Computer Science, 1999.

1/86-12/86 The Johns Hopkins University Whiting School of Engineering
      Baltimore, Maryland
      Masters of Science, Computer Science, 1987.

7/82-5/86 The United States Naval Academy
      Annapolis, Maryland
      Bachelors of Science, Computer Science, 1986.

PROFESSIONAL POSITIONS

8/98-present Assistant Professor at the United States Naval Academy
      Computer Science Department
      United States Naval Academy
      Annapolis, Maryland 21402

8/92-8/98 Instructor at the United States Naval Academy (part-time)
      Computer Science Department
      United States Naval Academy
      Annapolis, Maryland 21402

6/92-7/92 Instructor at Luther College Upward Bound Program
      Luther College Upward Bound
      Decorah, Iowa 52101.

8/91-3/92 Technical Support at Meridian Software Systems
      Meridian Software Systems
      10 Pasteur Street
      Irvine, California 92715

5/86-7/91 Officer in the United States Navy
      Achieved rank of Lieutenant,
      Surface Warfare Qualified.

PAPERS, AWARDS AND CONFERENCES

REITAN, PAULA J. "3D Visualization of Color Image Histograms." *Computer Network and ISDN Systems*, 30(20-21):2025-35, (November 1998).

REITAN, PAULA J. AND NICHOLAS, CHARLES K. "Heterogeneous 3D Data Structure for Color Image Quantization." Poster presented at the *20th Annual Graduate Student Research Day*. University of Maryland Baltimore County, April 29, 1998. (Placed first in Electrical Engineering Poster Session.)

REITAN, PAULA J. "3D Visualization of Truecolor Image Histograms." *Sixth International Conference on Computational Graphics and Visualization Techniques*, pp. 320-9, Vilamoura, Algarve, Portugal, (December 15-18, 1997).

TEACHING EXPERIENCE

Courses taught at the United States Naval Academy:

SI204L	Introduction to Computer Science (lab only)	Fall 92, Fall 93
SI220	Data Structures	Spring 93, Spring 94, Fall 94, Spring 95, Fall 95, Fall 96, Spring 97, Spring 99
SI283	Programming for Engineers	Fall 98
SI433	Advanced Computer Algorithms	Spring 96
SI460L	Computer Graphics (lab only)	Spring 98
SI462L	Advanced Computer Graphics (lab only)	Fall 97
SI462	Advanced Computer Graphics	Fall 98

Courses taught at the University of Maryland Baltimore County:

CMSC 109	OOP in C++	Summer 95
CMSC 341	Data Structures	Summer 94

RESEARCH INTERESTS

- Data structures and algorithms.
- Image processing.
- Visualization and algorithm animation

COMPUTER EXPERIENCE

- Expert C/C++ programmer.

- Developed large Motif/X application in C++ to visualize truecolor image histograms and quantize truecolor images using a variety of algorithms.

- Power user of UNIX workstations.

- Performed system adminstration tasks on personal UNIX workstation, including compilation and installation of software packages.

- Power user of Microsoft Office Professional suite (Word, Excel, Access and Powerpoint).

- Developed sophisticated database and spreadsheets to analyze computational results of color quantization techniques.

- Developed database to aid in the adminstrative tasks of teaching and advising students.

- Created web pages to provide students with online access to course materials (http://www.scs.usna.navy.mil/~reitan).

PROFESSIONAL SOCIETIES

- Member of the ACM since February 1992.

- Member of the IEEE since June 1998.

- Member of Upsilon Pi Epsilon since May 1993.

REFERENCES

- CDR Joseph G. Kovalchik, USN
  Chairman, Department of Computer Science
  United States Naval Academy
  572 Holloway Road
  Annapolis, MD 21402-5026

- Dr. Charles K. Nicholas
  CSEE Department, UMBC
  1000 Hilltop Circle
  Baltimore, MD 21250

- Dr. Wm Douglas Withers
  Department of Mathematics
  United States Naval Academy
  572 Holloway Road
  Annapolis, MD 21402-5026